October 18, 2010 7:40:24 AM

Required Date: 10/18/10

Item ID:

D3980-1 **PRELIM**

Revision ID: Item Name:

429 Bearpaw

Start Date:

10/18/10

Start Qty: 2.00

Req'd Qty: 2.00

Operation

Description

Cust Item ID:

Customer:

Tool ID

Date:

Tool # Plan

Code

Date:

Reference:

Approvals:

Sequence ID/

110

Work Center ID

Process Plan:

Date:

Date: SPC (Y/N):

Set Up/

Run Hours

0.00

0.00

0.00

Tooling:

Accept

THERMOFORMING MACHINE

Thermoform

Thermoforming Machine

0.00 Memo Thermoform as per Dwg. D3980-1 and Folio FTA078 using tool DT 9673

Dwg. Rev.

Folio Rev.

QC2- Inspect parts off machine FAI/FAIB

Memo

Visually inspect for proper formation of each part

130

120

Quality Control

Quality Control

QC8- Inspect parts - second check

0.00

Memo

0.00

Run

Start

Stop

Qty

Reject

Setup Start

Reject

Insp. Number

Stamp

Accept

Qty

W/O:		WORK ORDER CHANGES										
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approva QC Inspector					
<u></u>												
Part No.	D3960-1	DAD #				1						

Part No:	D3960-1	PAR
----------	---------	-----

Fault Category: Thermore NCR: Yes No DQA: 1 Date: 10/0/8 Resolution: ____SURP____ Disposition: SCVWO QA: N/C Closed: NCR: 63010 WORK ORDER NON-CONFORMANCE (NCR) **Corrective Action** Description of NC DATE STEP Section B Verification Section A Initial **Action Description Approval** Approval Sign & Section C Chief Eng Chief Eng QC Inspector Chief Eng Date 1 Part processed too cold. 1st part formuli sheet was not quite not enough L.C. Process 10-10-18 125/cm 10.10.18

NOTE: Date & initial all entries

Work Order ID 63010

October 18, 2010 7:40:24 AM

Required Date: 10/18/10



Page 3

Item ID:

D3980-1 **PRELIM** Accept

Setup Start

Stop



Revision ID: Item Name: Start Date:

429 Bearpaw

10/18/10

Start Oty: 2.00

Reg'd Oty: 2.00



Date:

Cust Item ID: Customer:

Tool ID

Reference:

Approvals:

OC:

Process Plan:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool # Plan

Code

Run

Accept

Qty

Start



Stop

Reject

Qty

Insp.

Stamp

Sequence ID/ Work Center ID

140

Thermoform

Thermoforming Machine

Operation Description Set Up/ Run Hours

0.00

HAND FINISHING THERMOFORMING

Memo

0.00

1-Trim & Drill to Finished Dimensions as per dwg D3980-1

2- Use wearplate jig DT9673 to transfer drill holes in bearpaw as per dwg and use 0.375" unibite to open holes to finish size.

3- Chamfer all holes on both sides using appropriate 0-flute countersink bit.

Reject

Number

145

HandThermo

Hand Finishing Thermoforming

Anneal Material

Memo

Anneal trimmed & drilled product at 250 deg. F. for 75 minutes & allow to cool in oven.

0.00

0.00

Work Order ID 63010

Page 4

October 18, 2010 7:40:24 AM

Item ID:

D3980-1

PRELIM

Revision ID: Item Name:

429 Bearpaw

Start Date:

10/18/10

QC:

Start Qty: 2.00

Required Date: 10/18/10

Req'd Qty: 2.00



Accept



Setup Start

Stop



Cust Item ID: **Customer:**

Reference:

Approvals:

Process Plan:

Date:_____

Date: _____

Tooling:

0.00

SPC (Y/N):

Set Up/

Run Hours

Date: Date:_ Run Start

Stop



Sequence ID/ Work Center ID

150

Operation

Description

0.00

Quality Control

Check dimensions to ensure conformity to drawing tolerances.

Tool ID

Tool # Plan

Qty Code

Reject Accept Qty

Reject Number

Insp. Stamp

160

Quality Control

QC5- Inspect part completeness to step on W/O

QC2- Inspect parts off machine FAI/FAIB

0.00

Memo

Memo

Memo

0.00

170

Packaging

Packaging

Identify as per dwg & Stock Location:

0.00

0.00

October 18, 2010 7:40:24 AM

Required Date: 10/18/10

Item ID:

D3980-1

PRELIM

Revision ID: Item Name:

429 Bearpaw

Start Date:

10/18/10

Start Qty: 2.00

Reg'd Qty: 2.00

Operation

Description



Accept



Setup Start

Stop



Cust Item ID:

Customer:

Reference: **Approvals:**

QC:

Process Plan:

Date:_

Date:

SPC (Y/N):

Tooling:

Run Hours

Date: Date:

Run Start

Stop

Sequence ID/ Work Center ID

180

Quality Control

Set Up/

Tool ID

Tool # Plan Code Accept Qty

Reject Qty

Reject Number Stamp

Insp.

Memo

QC21- Final Inspection - Work Order Release

0.00

0.00

SEE WIO 63011.

PRAT WERE

PURHT TESTER)

PURHT TESTER)

PAR RETURNED

PAR ENG.

POSITIVE RECAL AUTH EFFECTIVE DATE RELEASE

Picklist Print

October 18, 2010 7:40:22 AM

Work Order ID: 63010

Parent Item:

D3980-1

Parent Item Name: 429 Bearpaw



Start Date: 10/18/10

Required Date: 10/18/10

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev. A New Issue 2010/10/05 DL VERF:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M-ALXTRAB-S.300		Purchased	No			100	sf	429.1500	7.104	14.2794			

Alextra ET 0 .300 sheet

Location Loc Oty therm 429.15 429.15

Page 1

Loc Code

DART AEROSPACE LTD	Work Order:	63011
Description:	Part Number:	03986-1
Inspection Dwg: n. Rev: A		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than"	V			
Shape Definition				
Texture Retention				
Material imperfections such as bumps, cracks, voids, scratching				
Measured by:	}	(Date:	10/10/18

TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	С	omments	
23.72	Pert	23.75	V					
26.68	feo	26.75	.0~	*		Acce	PTACKE 510	.וט-וט
1.38	fer	1.379	<u></u>					
,375	Peiev-	. 375						
.210	myn	.283	~					
.175	min	:249						
1.0	Reve	1.009						
			<u> </u>	<u> </u>	<u></u>			
Measured	by: BB]		Date:	10	10/18.	
Audited	by:]		Date:	10	10.18	
Preliminary Appro	val:]		Date:			
Rev Date C	hange				Revise	d by	Approved	

Rev	Date	Change	Revised by	Approved
В	10.04.14	Added preliminary approval	KJ	

Purchase Order Receipt Listing

Page 1 of 1

November 9, 2009 9:10:38 AM

All amounts are calculated in domestic currency.

All Vendors PO ID po10524 All Receipt Dates All Line Item Types All Item ID/GL/WOs All Rec. Employees All Currencies Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendoriD\Ven	idor Nam	e VC-	GEP001	SABIC Polymershapes							
PO10524	2		M-ALXTRA	B-S.300 sf	10/29/09	11/06/09	1,065.6112	\$15.83	0.0000	0	\$16,869.48
CAD	No		Alextra ET 0 sheet 113108	.300 sf	1,065.6112	Stores		\$16,869.48	0.0000	0	·
									Total Received C	uantity:	1,065.6112
								Total	Qty to Inspect (P	O U/M):	0.0000
									Total Reject (uantity:	0.0000
									Total Receip	ot Value:	\$16,869.48
								То	tal Balance Due (Quantity:	0.0000

ه ند سي په

	,	Kecei	ving Kep	ort			
[Date: 9/11/06		Batcl	n No:	113/08	P	
5	Supplier: SA3/	<u>-</u>	Dart	P/O:	10524	•	
Packing Slip: Yes No No N/A Waybill Attached: Yes No N/A Waybill Attached: Yes No N/A Shipment Complete: Yes No N/A N/A Discrepancies							
Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments	
·····							
	•	Initials	of receiver	(if shipment	OK) Level 1	2//	
Production/ADate Received/Colonitial	9///06		·		Locatio	on	

H:\FORMS\Purchasing\approved purch\RECREPORT Rev D

A/C 14.46

Page: 1

SABIC folymershapes 1250 Old Innes Rd.. Unit 519

Ottawa. Ontario KIB 5L3 PST 85637 2750 TR0001

SOLD TO: DART ABROSPACE LTD

1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7

Canada

1270 ABERDEEN STREET HAWKESBURY ON KGA 1K7

Canada

SHIP TO: DART ABROSPACE LTD

Canada		1-613-632-5200
Our Order No Customer 1 088542 DARABR Ship.Doc.No Salesrep 01 93	CHARGE GST 6112-5207	Invoice Terms
Ln# Location Ord	B/O Ship Sku Product Code	Description U/Price ***********************************
001 25	0 SHT 41200006	ALBETTRA BT3 - BLACK / C9 11/60 6
002 1	0 1 BA 0000005	THANK YOU FOR SELECTING SABIC POLYMERSHAPES

Col= Ray

LINE NO. RECEIVING NO. PICKED BY	DATE	SHIPPED BY	I DATE I	VERIFIED	DATE
		1	3/11/59		
		//	11/		
		1/	/		
			1	1	
			1		

NO GOODS TO BE RETURNED WITHOUT APPROVAL FROM SABIC. ALL DISCREPANCIES MUST BE REPORTED WITHIN 10 DAYS. ALL RETURNS MUST HAVE VALID RETURNED GOODS AUTHORIZATION NUMBER CLEARLY MARKED ON ALL PACKAGES.

1...

CERTIFICATE OF COMPLIANCE

SOLD TO: DART AEROSPACE

DATE: NOVEMBER 5th 2009

YOUR PURCHASE ORDER 10524

OUR SHIPPER NO: O88542

SABIC POLYMERSHAPES LINE ITEM # 41200006

QUANTITY: 25 SHEETS-

DESCRIPTION: ALEXTRA ET3 - BLACK

/.300 X 62.00" X 99.00"

THESE PARTS WERE MANUFACTURED IN ACCORDANCE WITH: UL94HB

THIS IS TO CERTIFY THAT THE MATERIAL FINISHES AND FUNCTIONAL REQUIRMENTS OF THE ABOVE LISTED PARTS ARE IN ACCORDANCE WITH THE REFERENCE PROCUREMENT SPECIFICATIONS, CONTROL DRAWINGS OR PARTS DESIGNATION AND LATEST REVISIONS AS REFERENCED ON THE SUBJECT PURCHASE ORDER.

AUTHORIZED REPRESENTATIVE SIGNATURE

MIKE MCDONALD

INSIDE SALES REPRESENTATIVE



Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

Tel: 613 632 9577 Fax: 613 632 1053 ***PO REPRINT***

Purchase Order ID PO10524

Purchase Order Date 10/05/09 PO Print Date 10/07/09

Page Number 1 of 1

Order From:

SABIC POLYMERSHAPES 9150 AJRPORT ROAD BRAMPTON, ON L6S 6G1 CA

VC-GEP001

Contact Name

Vendor Phone Vendor Fax

800 267 1575 613 745 4291

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms Currency Net 30 CAD

FOB

Ship To:

DART AEROSPACE LTD

1270 ABERDEEN

HAWKESBURY, ON K6A 1K7 **CANADA**

Line Nbr Reference

Revision ID Vendor Part Number Description/ Mfg ID

Req Date/ Unit of Measure Taxable

Ship Method Req. Qty/

Unit Price

Extended

Price

2

M-ALXTRAB-S.300

Alextra ET 0 .300 sheet

10/29/09

└1,065.61

sf

Epic collect

\$15.8308

\$16,869.48

Special Inst:

MATERIAL: ALEXTRA

COLOR: BLACK

Yes

SIZE: 62" X 99" X 0.300" 1065.6112 SF = 25 SHEET

PO Total:

\$16,869.48

MATERIAL CERTIFICATION REQID UPON DELIVERY

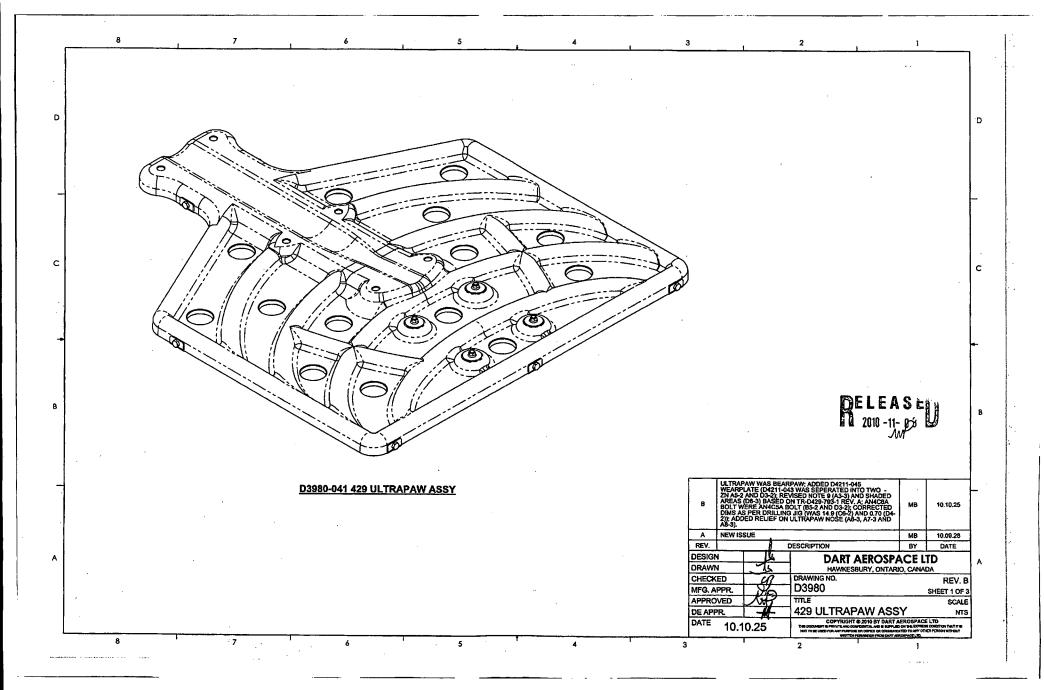
No substitution or deviation without consent.

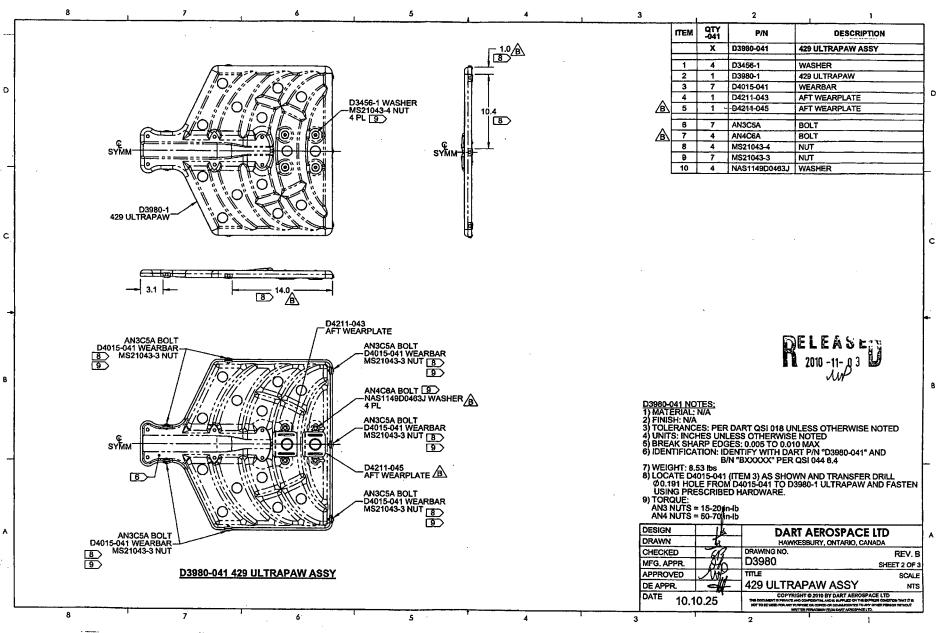
Certificate of Conformity or Material Certification required when applicable

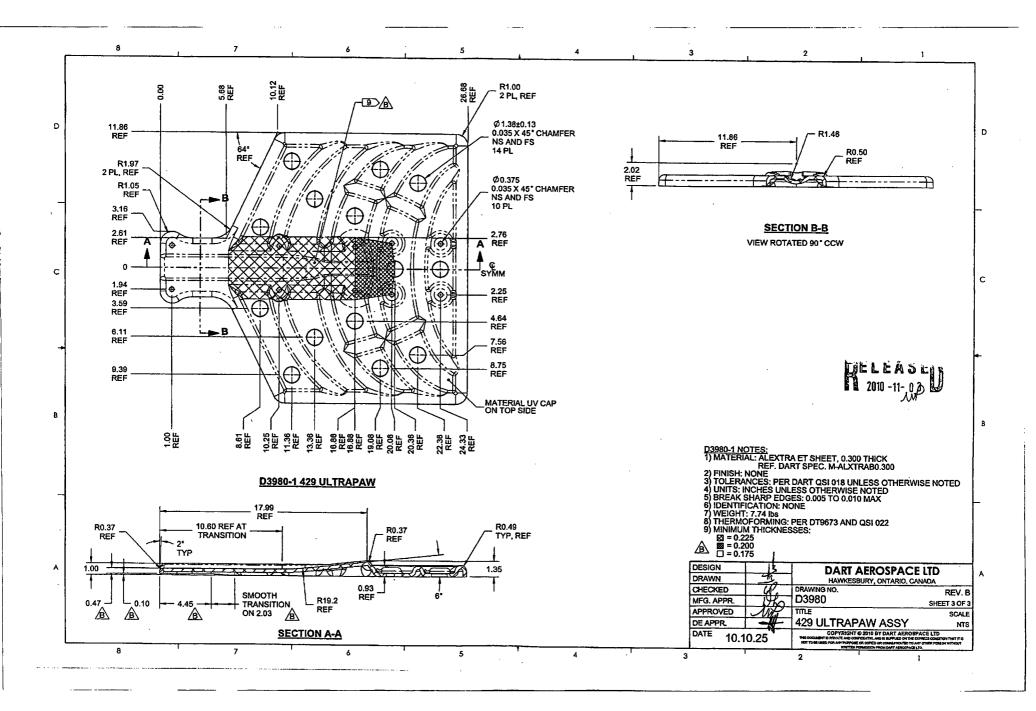
Change Nbr:

3

Change Date: 10/07/09







D3980-041 429 BEARPAW ASSY

Α	NEW ISSUE	NEW ISSUE MB						
REV.		1	DESCRIPTION	DATE				
DESIGN	١ ١	5	DART AEROSPACE LTD					
DRAW	1	HAWKESBURY, ONTARIO, CANAD						
CHECK	ED /	0	DRAWING NO.		REV. A			
MFG. A	PPR.	<u>K</u> .	D3980		SHEET 1 OF 3			
APPRO	VED AN	ri .	TITLE		SCALE			
DE APF	PR.		429 BEARPAW ASSY NTS					
DATE	10.09.28		COPYRIGHT @ 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND COMPERTIAL AND IS SUPPLED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WANTEN PERMISSION FROM DART AEROSPACE LTD.					

